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INDEX TO AMERICAN BOTANICAL LITERATURE (1905)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions their kindness will be appreciated.

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Arechavaleta, J. Apuntes botánicos. Anal. Mus. Nac. Montevideo II. 1: 17-45. *pl.* 1-7, 9-11 + *f.* 1-10. 1905.

Includes descriptions of new species, from Uruguay, in *Clematis*, *Ranunculus* (3), *Polymnia* and *Mimosa* (2).

Arechavaleta, J. Breves apuntes sobre algunas gramíneas de propiedades tóxicas para los herbívoros. Anal. Mus. Nac. Montevideo II. 1: 47-57. 1905.

Bach, E. B. The toxic action of copper sulphate upon certain algae in the presence of foreign substances. Rep. Mich. Acad. Sci. 7: 48-50. 1905.

Bessey, C. E. Plant migration studies. Univ. Stud. [Univ. of Nebraska] 5: 11-37. *f.* 1-67. Ja 1905.

Boman, E. Deux *Stipa* de l'Amérique du Sud développant de l'acide cyanhydrique. Bull. Mus. Hist. Nat. Paris 11: 337-343. 1905.

Bonnet, E. Contribution à la flore pliocène de la province de Bahia (Brésil). Bull. Mus. Hist. Nat. Paris 11: 510-512. 1905.

Britten, J. Graham's Mexican plants. Jour. Bot. 43: 317, 318. N 1905.

Britton, N. L. *Cunoniaceae*. N. Am. Fl. 22: 179, 180. 18 D 1905.

Britton, N. L. *Hamamelidaceae*. N. Am. Fl. 22: 185-187. 18 D 1905.

- Britton, N. L.** *Itaceae*. N. Am. Fl. **22**: 181. 18 D 1905.
- Brown, E.** The germination, growing, handling, and adulteration of bluegrass seeds. U. S. Dep. Agr. Plant Ind. Bull. **84**: 9-14. 14 N 1905.
- Clute, W. N.** The fern allies of North America north of Mexico. i-xiv. 1-278. New York, S 1905. [Illust.]
- Cook, M. T. & Horne, W. T.** Coffee leaf miner and other coffee pests. Estac. Centr. Agr. Cuba Bull. **3**: 1-22. *pl.* 1-5. S 1905.
- Cook, M. T. & Horne, W. T.** Insects and diseases of tobacco. Estac. Centr. Agr. Cuba Bull. **1**: 1-23. *f.* 1-20. Je 1905.
- Cratty, R. I.** The *Juncaceae* of Iowa. Iowa Nat. **1**: 71-74. 23 D 1905.
- Dalla Torre, K. W. von & Harms, H.** Genera *Siphonogamarum* ad systema Englerianum conscripta. **7**: 481-560. 1905.
- Dandeno, J. B.** "Color" stimulus and vital functions of plants. Rep. Mich. Acad. Sci. **7**: 44-47. 1905.
- Davidson, A.** Flora of Clifton, Arizona. Bull. So. Calif. Acad. Sci. **4**: 130, 131. 24 N 1905.
- DeVries, H.** Ueber die Dauer der Mutationsperiode bei *Oenothera Lamarckiana*. Ber. Deuts. Bot. Gesells. **23**: 382-387. 22 N 1905.
- Duggar, B. M.** The principles of mushroom growing and mushroom spawn making. U. S. Dep. Agr. Plant Ind. Bull. **85**: 1-60. *pl.* 1-7. 15 N 1905.
- Duvel, J. W. T.** The storage and germination of wild rice seed. U. S. Dep. Agr. Plant Ind. Bull. **90**¹: 1-16. *pl.* 1, 2. 7 S 1905.
- Engler, A.** *Araceae-Pothoideae*. Das Pflanzenreich **4**^{23B}: 1-330. *f.* 1-88. 13 Je 1905.
- Fernald, M. L.** An alpine variety of *Cnicus muticus*. Ottawa Nat. **19**: 166, 167. 9 D 1905.
C. muticus monticola var. nov.
- Fernald, M. L.** A new *Antennaria* from eastern Quebec. Ottawa Nat. **19**: 156, 157. 6 N 1905.
A. neodioica gaspensis var. nov.
- Fernald, M. L.** A new goldenrod from the Gaspé peninsula. Ottawa Nat. **19**: 167, 168. 9 D 1905.
Solidago chrysolepis sp. nov.
- Fischer, W.** An abnormal cone of *Pinus Laricio*. Ohio Nat. **6**: 396, 397. 3 N 1905.

- Fitzpatrick, T. J.** The *Melanthaceae* of Iowa. Iowa Nat. 1: 75-81. 23 D 1905.
- Foslie, M.** New *Lithothamnium* and systematical remarks. K. Norske Vid. Selsk. Skr. 1905⁵: 1-9. 1905.
Includes a description of *Litholepis* gen. nov., in which is included *Melobesia bermudiensis*.
- Foslie, M.** Remarks on northern *Lithothamnium*. K. Norske Vid. Selsk. Skr. 1905³: 1-138. 1905.
Of the 32 species discussed (in 4 genera), 14 are credited to North America.
- Fries, R. E.** Studien in der Riedel'schen Anonaceen-Sammlung. Ark. Bot. 5⁴: 1-24. pl. 1-3. 18 O 1905.
Includes new species in *Oxandra*, *Malmea* gen. nov., *Guatteria*, *Unonopsis*, and *Anona* (2); all from Brazil.
- Gates, R. R.** Middleton fungi. Proc. & Trans. Nova Scotian Inst. 11: 115-121. 27 Mr 1905.
The introductory portion only is printed.
- Glaziou, A. F. M.** Plantae Brasiliae centralis a Glaziou lectae. Liste des plantes du Brésil central recueillies en 1861-1895. Mém. Soc. Bot. France 3: 1-112. N 1905.
- Gleason, H. A.** Notes from the Ohio State Herbarium, IV. Ohio Nat. 6: 397, 398. 3 N 1905.
- Gleason, H. A.** Notes from the Ohio State Herbarium, V. A revised list of the *Hypericaceae* of Ohio. Ohio Nat. 6: 403-406. 18 D 1905.
- Graves, H. S.** Notes on the rate of growth of red cedar, red oak, and chestnut. Forestry Quart. 3: 349-353. 1905.
- Greene, E. L.** *Atasites* and *Thyrsanthema*. Leaflets 1: 154-158. 23 D 1905.
- Greene, E. L.** New plants from southwestern mountains. Leaflets 1: 145-154. 23 D 1905.
Includes descriptions of 31 new species in 23 genera.
- Greene, E. L.** New species of *Chaptalia*. Leaflets 1: 158. 23 D 1905.
Descriptions of 2 new species.
- Greene, E. L.** On so-called *Silene Menziesii*. Ottawa Nat. 19: 163-166. 9 D 1905.
Includes a description of *Anotites picta* sp. nov.
- Greene, E. L.** A proposed new genus, *Callisteris*. Leaflets 1: 159, 160. 23 D 1905.
A segregate from the *Gilia* of recent authors.

- Gürke, M.** *Echinocactus peruvianus* K. Schum. Monats. Kakteenk. 15: 190-192. 15 D 1905. [Illust.]
- Gürke, M.** *Echinocereus pectinatus* (Scheidw.) Engelm. var. *caespitosus* (Engelm.) K. Schum. Monats. Kakteenk. 15: 170-173. 15 N 1905. [Illust.]
- Gürke, M.** *Mamillaria mazatlanensis* K. Schum. Monats. Kakteenk. 15: 154-156. 15 O 1905. [Illust.]
- Gürke, M.** *Rhipsalis dissimilis* (G. A. Lindb.) K. Schum. Monats. Kakteenk. 15: 186-190. 15 D 1905.
- Harshberger, J. W.** The hour-glass stems of the Bermuda palmetto. Proc. Acad. Nat. Sci. Phila. 57: 701-704. 8 D 1905.
- Harshberger, J. W.** Original centers concerned in North American plant dispersal. Proc. Acad. Nat. Sci. Phila. 57: 2. 10 Mr 1905.
- Harshberger, J. W.** The plant formations of the Bermuda Islands. Proc. Acad. Nat. Sci. Phila. 57: 695-700. 8 D 1905.
- Hedgcock, G. G.** The crown-gall and hairy-root diseases of the apple tree. U. S. Dep. Agr. Plant Ind. Bull. 90²: 1-7. pl. 1-3. 17 N 1905.
- Henkel, A.** Peppermint. U. S. Dep. Agr. Plant Ind. Bull. 90³: 1-15. f. 1-3. 28 D 1905.
- Hensel, E. P.** On the movements of petals. Univ. Stud. [Univ. of Nebraska] 5: 191-228. J1 1905.
- Hillman, F. H.** Descriptions of the seeds of the commercial blue-grasses and their impurities. U. S. Dep. Agr. Plant Ind. Bull. 84: 15-38. f. 1-35. 14 N 1905.
- Holm, T.** *Claytonia* Gronov. A morphological and anatomical study. Mem. Nat. Acad. Sci. 10: 25-37. pl. 1, 2. 1905.
- Holmberg, E. L.** Amarilidáceas Argentinas indigenas, y exóticas cultivadas. Anal. Mus. Nac. Buenos Aires III. 5: 75-192. 20 Je 1905.
Descriptions of many species, including *Hippeastrum tucumanum* sp. nov.
- Holmberg, E. L.** *Zephyranthes porphyrospila* Holmberg, n. sp. Anal. Mus. Nac. Buenos Aires III. 5: 65, 66. 17 Mr 1905.
- Jones, L. R.** Disease resistance in potatoes. U. S. Dep. Agr. Plant Ind. Bull. 87: 1-39. 5 D 1905.
- Kellogg, R. S.** Forest belts of western Kansas and Nebraska. U. S. Dep. Agr. Forest Bull. 66: 1-44. pl. 1-6 + map. [D] 1905.
- Kränzlin, F.** *Orchidaceae* Weberbauerianae in republica peruviana lectae. Repert. Nov. Sp. 1: 177-189. 15 D 1905.
Includes descriptions of new species in *Pleurothallis* (3), *Masdevallia*, *Neolehmannia*, *Epidendrum* (14), and *Sobralia*.

- Krause, K.** *Oenotheraceae* novae austro-americanae, plerumque peruvianae. Repert. Nov. Sp. 1: 167-173. 30 N 1905.
Descriptions of new species in *Onagra*, *Oenothera* (3), and *Fuchsia* (8).
- Lawrence, W. H.** The powdery mildews of Washington. Wash. Agr. Exp. Sta. Bull. 70: 1-16. f. 1-22. 1905.
- Lindau, G.** Plantae nonnullae novae andinae. Repert. Nov. Sp. 1: 156-159. 10 N 1905.
New species in *Coccoloba*, *Aphelandra*, *Didcliptera*, *Cephalacanthus* gen. nov., and *Justicia*.
- Loesener, T.** *Aquifoliaceae* andinae novae. Repert. Nov. Sp. 1: 164-167. 30 N 1905.
Includes descriptions of 3 new species in *Ilex*.
- Loesener, T.** *Celastraceae* et *Hippocrateaceae* andinae novae. Repert. Nov. Sp. 1: 161-164. 30 N 1905.
Includes descriptions of new species in *Maytenus*, *Rhacoma*, *Schaefferia*, and *Hippocratea*.
- Loew, F. A.** A study of the effect of dilute solutions of hydrochloric acid upon the radicles of corn seedlings. Rep. Mich. Acad. Sci. 7: 50-52. 1905.
- Lohaus, K.** Der anatomische Bau der Laubblätter der Festucaceen und dessen Bedeutung für die Systematik. i-vi. 1-114. pl. 1-16. Stuttgart, 1905.
Bibliotheca Botanica, Heft 63.
- Macoun, J.** Two rare fungi. Ottawa Nat. 19: 178. 9 D 1905.
- Malme, G. O. A.** Die Bauhinien von Matto Grosso. Ark. Bot. 5⁵: 1-16. 16 O 1905.
Twenty species are recognized, of which 4 are described as new.
- Malme, G. O. A.** Die Vochysiaceen Matto Grossos. Ark. Bot. 5⁶: 1-12. 30 D 1905.
New species are described in *Qualea* and *Vochysia*.
- Maxon, W. R.** A new cloak-fern from Mexico. Proc. Biol. Soc. Wash. 18: 205, 206. 2 S 1905.
Notholaena biyopoda sp. nov.
- Maxon, W. R.** A new fern from Porto Rico. Proc. Biol. Soc. Wash. 18: 215, 216. 17 O 1905.
Polystichum Krugii sp. nov.
- Maxon, W. R.** A new *Lycopodium* from Guatemala. Proc. Biol. Soc. Wash. 18: 231, 232. 9 D 1905.
L. dichaeoides sp. nov.
- Maxon W. R.** A new name for *Kaufussia* Blume, a genus of marattiaceous ferns. Proc. Biol. Soc. Wash. 18: 239, 240. 9 D 1905.
Christensenia.

- Maxon, W. R.** A new name for a middle American fern. Proc. Biol. Soc. Wash. **18**: 224. 17 O 1905.
- Müller, K.** (*Freiburg*.) Monographie der Lebermoosgattung *Scapania* Dum. Nova Acta Acad. Caes. Leop.-Carol. **83**: 1-312. *pl.* 1-52. 1905.
- Nash, G. V.** Further explorations in the Republic of Haiti. Jour. N. Y. Bot. Gard. **6**: 170-191. *f.* 34-40. N 1905.
- Nelson, A.** New plants from Nevada. II. Proc. Biol. Soc. Wash. **18**: 171-176. 29 Je 1905.
Descriptions of 8 new species and a new variety, in 7 genera.
- Nelson, A.** Note on *Arabis pedicellata* A. Nelson. Proc. Biol. Soc. Wash. **18**: 187. 29 Je 1905.
- Parish, S. B.** A preliminary synopsis of the Southern California *Cyperaceae*, X. Bull. So. Calif. Acad. Sci. **4**: 106-116. 20 O 1905.
Includes descriptions of 2 new species, in *Carex*.
- Pax, F. & Knuth, R.** *Primulaceae*. Das Pflanzenreich **4**²⁸⁷: 1-386. *pl.* 1, 2 + *f.* 1-75. 14 N 1905.
- Perkins, J.** *Monimiaceae* andinae. Repert. Nov. Sp. **1**: 153-156. 10 N 1905.
Includes 4 new species in *Siparuna*.
- Pilger, R.** Ein neuer andiner *Podocarpus*. Repert. Nov. Sp. **1**: 189, 190. 15 D 1905.
P. utilior sp. nov.
- Pilger, R.** *Gramineae* andinae. I. *Bambuseae*. Repert. Nov. Sp. **1**: 145-152. 10 N 1905.
Descriptions of new species in *Arundinaria*, *Chusquea* (9), and *Guadua*.
- Piper, C. V.** New and interesting American grasses. Proc. Biol. Soc. Wash. **18**: 143-150. 9 Je 1905.
Includes descriptions of new species in *Epicampes* (3), *Melica*, *Poa* (3), and *Agropyron* (2).
- Pollock, J. B.** A canker of the yellow birch and a *Nectria* associated with it. Rep. Mich. Acad. Sci. **7**: 55, 56. 1905.
- Pollock, J. B.** Notes on *Ganoderma sessile* Murrill: its variation from the original description and possible parasitism. Rep. Mich. Acad. Sci. **7**: 53, 54. 1905.
- Pollock, J. B.** A species of *Hormodendrum* on *Araucaria*. Rep. Mich. Acad. Sci. **7**: 56, 57. 1905.
- Pollock, J. B. & Kauffman, C. H.** Michigan fungi. Rep. Mich. Acad. Sci. **7**: 57-67. 1905.

- Quehl, L.** *Mamillaria Rüstii* Quehl, n. sp. Monats. Kakteenk. **15**: 173. 15 N 1905.
Native of Honduras; described from cultivated material.
- Ramaley, F.** A study of certain foliaceous cotyledons. Univ. Colo. Stud. **2**: 255-264. f. 1-45. Je 1905.
- Rehder, A.** *Acer tetramerum* Pax, var. *lobulatum* Rehder, nov. var. Repert. Nov. Sp. **1**: 174, 175. 30 N 1905.
- Reiche, K.** Flora de Chile. **4**: 1-488. Santiago de Chile, 1905.
Reprinted, with new pagination, from Anal. Univ. Chile, v. 111-116 (1902-1905).
- Reiche, K.** Rudolf Amandus Philippi. Ber. Deuts. Bot. Gesells. **22**: (68)-(83). 7 Jl 1905.
Biography and bibliography.
- Roland-Gosselin, R.** Quatre Cactées nouvelles du Mexique. Bull. Mus. Hist. Nat. Paris **11**: 506-510. 1905.
New species in *Cereus* (2) and *Pilocereus* (2).
- Rusby, H. H.** *Phyllonomaceae*. N. Am. Fl. **22**: 191. 18 D 1905.
- Safford, W. E.** The useful plants of the island of Guam. Contr. U. S. Nat. Herb. **9**: 1-416. pl. 1-70. 8 Ap 1905.
- Sargent, C. S.** *Crataegus* in eastern Pennsylvania. Proc. Acad. Nat. Sci. Phila. **57**: 577-656. 25 S 1905; 657-661. 2 N 1905.
Eighty species are listed, of which 47 are described as new.
- Schaffner, J. H.** The classification of plants, II. Ohio Nat. **6**: 386-390. 3 N 1905.
- Schaffner, J. H.** Key to the Ohio dogwoods in the winter condition. Ohio Nat. **6**: 419. 18 D 1905.
- Schaffner, M.** Free-floating plants of Ohio. Ohio Nat. **6**: 420, 421. 18 D 1905.
- Schindler, A. K.** *Halorrhagaceae*. Das Pflanzenreich **4**²²⁵: 1-333. f. 1-36. 12 D 1905.
- Small, J. K.** *Pterostemonaceae*. N. Am. Fl. **22**: 183. 18 D 1905.
- Small, J. K. & Rydberg, P. A.** *Hydrangeaceae*. N. Am. Fl. **22**: 159-78. 18 D 1905.
Includes a new genus, *Neodeutzia*, and 14 new species in 3 genera.
- Small, J. K. & Rydberg, P. A.** *Saxifragaceae*. N. Am. Fl. **22**: 81-158. 18 D 1905.
Includes 3 new genera, and 64 new species in 14 genera.
- Stärback, K.** Ascomyceten der schwedischen Chaco-Cordilleren-Expedition. Ark. Bot. **5**⁷: 1-35. pl. 1. 30 D 1905.
Two new genera, and 35 new species in 27 genera, are described as new.

- Stearns, F. L.** A study of plants in ravines near Adrian. Rep. Mich. Acad. Sci. **7**: 68-72. *f. 1*. 1905.
- Surface, F. M.** Contribution to the life history of *Sanguinaria canadensis*. Ohio Nat. **6**: 379-385. *f. 1-23*. 3 N 1905.
- Thériot, I.** Diagnoses de quelques mousses nouvelles. Bull. Acad. Internat. Géogr. Bot. **15**: 40. 30 D 1905.
Including brief diagnoses of 2 new species of *Leptodontium*, from Colombia.
- Thiselton-Dyer, W. T.** Index kewensis plantarum phanerogamarum: supplementum secundum. 105-204. Oxford, 1905.
- Transeau, E. N.** Climatic centers and centers of plant distribution. Rep. Mich. Acad. Sci. **7**: 73-75. 1905. [Illust.]
- Wercklé, C.** *Cactaceae* in Costa Rica. Monats. Kakteenk. **15**: 165-168. 15 N 1905; 179-181. 15 D 1905.
- White, D.** Paleontology [of the Perry basin, in southeastern Maine]. U. S. Geol. Surv. Prof. Paper **35**: 35-84, 93-102. *pl. 1-6*. 1905.
New species are described and figured in *Taeniocrada*, *Otidophyton* gen. nov., *Psilophyton*, *Barinophyton*, *Lepidocystis*, *Sporangites*, and *Carpolithes*.
- Wildeman, E. de.** *Hymenocallis calathina* Nichols. Ic. Sel. Hort. Thenensis **5**: *pl. 190*. O 1905.
Native of Peru and Bolivia.
- Wildeman, E. de.** Les Phanérogames des Terres magellaniques. 1-222. *pl. 1-23*. 15 Ap 1905.
Expedition Antarctique Belge: Resultats du voyage du S. V. Belgica: Rapports scientifiques: Botanique.
- Wilson, P.** *Altingiaceae*. N. Am. Fl. **22**: 189. 18 D 1905.
- Zon, R.** Loblolly pine in eastern Texas, with special reference to the production of cross-ties. U. S. Dep. Agr. Forest Bull. **64**: 1-53. *pl. 1-4 + f. 1, 2*. [N] 1905.